

CITY COUNCIL AGENDA ITEM COVER MEMO

Agenda Item Number _____

Meeting Type: Regular

Meeting Date: ~~7/26/2012~~
8/09/12

Action Requested By:
ITS

Agenda Item Type
Resolution

Subject Matter:

Amendment #6 to 800 MHz Frequency Reconfiguration Agreement

Exact Wording for the Agenda:

Resolution authorizing the Mayor to enter into Amendment #6 to 800 MHz Frequency Reconfiguration Agreement Between the City of Huntsville, Southern Communications, Inc. d/b/a SouthernLinc Wireless and Nextel South Corporation.

Original Agreement - Res. #08-609

Amendment #1 - Res. #09-188

Amendment #2 - Res. #09-390

Amendment #3 - Res. #09-801

Amendment #4 - Res. #09-1210

Amendment #5 - Res. #10-613

Note: If amendment, please state title and number of the original

Item to be considered for: Action

Unanimous Consent Required: No

Briefly state why the action is required; why it is recommended; what Council action will provide, allow and accomplish and; any other information that might be helpful.

This Amendment is approved by the 800 MHz Transition Administrator.
It allows for changes to the original Agreement for the rebanding project True-Up, including actual purchases and travel expenses.

Associated Cost: -0-

Budgeted Item: Not applicable

MAYOR RECOMMENDS OR CONCURS: Yes

Department Head: Wayne Brooks

Date: 7/6/2012

ROUTING SLIP CONTRACTS AND AGREEMENTS

Originating Department: **ITS**

Council Meeting Date: ~~7/26/2012~~
8/09/12

Department Contact: **Betty Hughes**

Phone # **427-6714**

Contract or Agreement: **Agreement**

Document Name: **Amendment 6 - 800 MHz Frequency Reconfiguration Agreement**

City Obligation Amount: **-0-**

Total Project Budget: **N/A**

Uncommitted Account Balance: **N/A**

Account Number: **N/A**

Procurement Agreements

<u>Not Applicable</u>	<u>Not Applicable</u>
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Grant-Funded Agreements

<u>Not Applicable</u>	Grant Name:
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Department	Signature	Date
1) Originating	<i>Wayne Snook</i>	7/6/12
2) Legal	<i>Mary C. Oates</i>	7/18/12
3) Finance	<i>[Signature]</i>	7/9
4) Originating		
5) Copy Distribution		
a. Mayor's office (1 copies)		
b. Clerk-Treasurer (Original & 2 copies)		

RESOLUTION NO. 12 - ____

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and he is hereby authorized on behalf of the City of Huntsville, a Municipal Corporation in the State of Alabama, to enter into an Amendment to the Agreement by and between the City of Huntsville and Southern Communications, Inc. d/b/a SouthernLinc Wireless and Nextel South Corporation, approved June 26, 2008 and recorded as Resolution 08-609, which said Amendment is substantially in words and figures similar to that document attached hereto and identified as Amendment #6 to 800 MHz Frequency Reconfiguration Agreement Between the City of Huntsville, Southern Communications, Inc. d/b/a SouthernLinc Wireless and Nextel South Corporation consisting of eighteen (18) pages, and the date of August 9, 2012 appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, an executed copy of said document being permanently kept on file in the Office of the City Clerk-Treasurer of the City of Huntsville, Alabama.

ADOPTED this ____ Day of _____, 2012

President of the City Council of the
City of Huntsville, Alabama

APPROVED this ____ Day of _____, 2012

Mayor of the City of
Huntsville, Alabama

**AMENDMENT #6 TO 800 MHZ FREQUENCY
RECONFIGURATION AGREEMENT BETWEEN
THE CITY OF HUNTSVILLE, SOUTHERN
COMMUNICATIONS, INC. D/B/A SOUTHERNLINC
WIRELESS AND NEXTEL SOUTH CORPORATION**

THIS AMENDMENT NO. 6 shall amend and revise that certain Frequency Reconfiguration Agreement (the "Agreement") executed on July 3, 2008, as amended, by and among the **City of Huntsville**, a political subdivision of the state of Alabama, and the **Huntsville Utility Board, Alabama** (collectively, "Incumbent"), **Southern Communications Services, Inc. d/b/a SouthernLINC Wireless**, a Delaware corporation ("Southern") and **Nextel South Corp.**, a wholly owned indirect subsidiary of Sprint Nextel Corporation, a Kansas corporation ("Nextel"). Each is referred to in this Agreement as a "Party" and collectively as the "Parties."

NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, the Parties, in accordance with the provisions of Section 26 of the Agreement, hereby agree to amend and revise the Agreement as follows:

1. That Schedule C-5 is hereby deleted and is replaced with Schedule C-6, which is attached hereto and incorporated by reference herein.
2. That Schedule D-4 is hereby deleted and is replaced with Schedule D-6, which is attached hereto and incorporated by reference herein.
3. Except as set forth above, there are no other revisions or amendments to the Agreement or to the obligations of the Incumbent, Southern, or Nextel.
4. In the event of any inconsistencies between the terms and conditions contained in the Agreement and the terms and conditions contained herein, the terms and conditions contained herein shall control.

President of the City Council

Date: _____

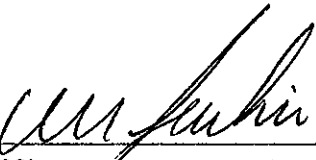
In WITNESS WHEREOF, the Parties hereto, intending to be legally bound, have duly executed this Amendment as of this _____ day of _____ 2012.

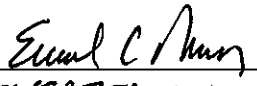
INCUMBENT:
City of Huntsville, Alabama

NEXTEL:
Nextel South Corp.

SOUTHERN:
Southern Communications
Services, Inc. d/b/a
SouthernLINC Wireless

By: _____
Name: Tommy Battle
Title: Mayor

By: 
Name: WILLIAM M. JENKINS
Title: AUTHORIZED SIGNATORY

By: 
Name: SPECTRUM AND SITE
Title: INVENTION MANAGER
→ EDWARD L. MURRAY

ATTEST: CITY OF HUNTSVILLE

Charles E. Hagood, Clerk Treasurer

INCUMBENT:
Huntsville Utility Board,
Alabama

By: _____
Name: Tommy Battle
Title: Mayor

SCHEDULE C - 6

800 MHZ RECONFIGURATION

COST ESTIMATE - CERTIFIED REQUEST

Request for Reconfiguration Funding

Incumbent's Name: **HUNTSVILLE, CITY OF, AL PH II**

Pursuant to the Order, Incumbent is required to reconfigure its existing facilities and requests Nextel to fund the estimated reconfiguration costs included below:

Incumbent Payment Terms: Nextel will pay Incumbent an amount not to exceed the Estimated Cost(s) for Incumbent with respect to each category of work, as set forth below. Nextel will pay Incumbent \$26,528 within 15 days (30 days if Incumbent elects to be paid by check rather than electronic funds transfer) after receipt by Nextel of the fully executed Agreement and fully completed Incumbent Information Form (as set forth on Exhibit A). Nextel will pay any outstanding balance of the Actual Costs due to Incumbent within 30 days after the Reconciliation Date (as "Actual Costs" and "Reconciliation Date" are defined in Section 3(b)(i)).

Vendor Payment Terms: Nextel will pay each Vendor an amount not to exceed the Estimated Cost(s) for that Vendor with respect to each category of work, as set forth below. Nextel will pay each Vendor within 30 days after receipt by Nextel of (A) an invoice from the Vendor and (B) Incumbent's approval of receipt of goods and services and approval of associated costs included on the Vendor invoice.

1. System Description: City of Huntsville operates a two-site twenty-channel SmartNet II simulcast system. This systems prime site is co-located at the Burritt Mountain remote site on Monte Sano Blvd. and is equipped with redundant 6809 controllers. Remote sites are located at Burritt Mountain and Madkin Mountain. Each site utilizes three transmit antennas, one receive antenna, and one tower-top amplifier/24-port receive multicoupler. In addition to the SmartNet II system, City of Huntsville operates a two-site single-channel conventional DataTAC system at Burritt Mountain and Madkin Mountain and two single channel mutual aid conventional bases stations at Burritt Mountain and Hampton Cove. Each of these subsystems shares the existing antenna equipment with the city's simulcast system, with the exception of the Hampton Cove mutual aid site that utilizes one transmit/receive antenna and a duplexer. The city also operates four non-channelized bi-directional amplifiers; (3) at the Huntsville Hospital and (1) at the Huntsville Jail and also maintains (150) trunked (Maxtrac) MOSCAD FIUs that are deployed throughout the city. The network management system consists of one stand-alone System Watch II station terminal, one stand-alone SIP station terminal, and a SIMS II terminal server with one local and four remote user terminals. City of Huntsville has one dispatch center located at the Huntsville E911 Center. The dispatch center comprises

twenty-one operator positions and is equipped with Centracom II Gold Elite. There are 2004 portable radios, 1915 mobile radios, and 13 control stations (Consolettes) affiliated with the system.

The major system elements to be reconfigured are summarized in the table below:

	Total In System	Total Included in FRA
Base station frequencies	22	22
- Voice channels	19	19
- Home/Control channels	2	2
Repeater sites	4	4
Other sites (remote recv, BDA)	4	4
Subscriber units retuned	1975	1975
Subscriber units reprogrammed	1856	1856
Subscriber units replaced	160	160
Subscriber units rebanded total	3991	3991
Entities operating on the system	0	0

2. Reconfiguration Milestones: Identify the anticipated start date of the overall reconfiguration of your system (Project Start). Then, for each major reconfiguration milestone listed in the table below, provide (1) the anticipated number of days after project start date required to begin execution of the task identified, and (2) the estimated duration in number of days required to complete the task identified. As an FRA is negotiated, it is not always possible to know an actual start date for specific reconfiguration tasks. In such a case, it is acceptable to forecast an estimated start date from execution of the FRA (i.e., "contract execution + xx days") and estimate the duration of each task.

Reconfiguration Task	Start Date	# of Days After Project Start Date for Start of Task	Estimated Duration in # of Days
Project Start			
Reconfiguration Planning			
Reconfigure Subscriber Equipment			
Reconfigure Infrastructure Equipment			
System Acceptance			

3. Implementation Plan: The following information provides an overview of how the City of Huntsville system rebanding plan will be implemented and how those activities will impact the fixed network equipment and subscriber units. Motorola has produced Baseline and Acceptance Test Plans to demonstrate comparable operation before and after reconfiguration. Motorola has also produced a Reconfiguration Design consisting of Method of Procedures (MOP). Motorola developed the MOP that details the process steps, timeline, measurable deliverables, resources needed and cutover steps. The MOP also includes the *Cutover and Fallback Plans* outlining the transition from the current

frequencies to the new ones. The Cutover and Fallback plans ensure consistent operation of all system functionality throughout the rebanding reconfiguration.

4. Cost Estimate:

Description of Work To Be Performed	Payee(separately identify Incumbent and each Vendor being paid for work performed)	Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed listed amount)
<p>I. Subscriber Equipment Reconfiguration</p> <ul style="list-style-type: none"> • Replacement of Dash Mount Radios - De-install & Install for standard sedan or light/medium truck with unit installed under the dash and no obstructions or special installation requirements. (72 units @ 2.40 hrs each @ \$89.00 /hr = \$15,379.20) • Retune Existing Mobile Radios - • Functional Pre-Test of existing radio - Talk group call on system • Retune existing radio (no obstruction to retuning of radio) • Functional post test of existing radio - Talk group call on system (910 units @ 0.90 hrs each @ \$89.00 /hr = \$72,891.00) • Retune Existing Mobile Radios - • Functional Pre-Test of existing radio - Talk group call on system • Flash existing radio with Rebanding software • Load programming template into existing radio (no obstruction to programming port of radio and radio is to be flashed and programmed in the vehicle) (1005 units @ 0.90 hrs each @ \$89.00 /hr = \$80,500.50) • Portable Radios - Retune Existing Portable (506 units @ 0.70 hrs each @ \$89.00 /hr = \$31,523.80) • Portable Radios - Flashing and Retuning of Existing Portable Radio (555 units @ 0.70 hrs each @ \$89.00 /hr = \$34,576.50) • Radio Templates (Masks) - Modify Radio Templates (Masks) for Replaced Units (15 units @ 4.00 hrs each @ \$89.00 /hr = \$5,340.00) • Radio Templates (Masks) - Modify Radio Templates (Masks) for Flashed Units (432 units @ 2.50 hrs each @ \$89.00 /hr = \$96,120.00) • PM - Project Manager on Site 	(Vendor) Motorola	\$448,681.00

<p>Supervision & Coordination (616hrs @ \$175.00 /hr = \$107,800.00)</p> <ul style="list-style-type: none"> ST - ST Templates & procedures supervision and approvals (8hrs @ \$175.00 /hr = \$1,400.00) SE - SE Subscribers Support (18hrs @ \$175.00 /hr = \$3,150.00) 		
<p>II. Infrastructure Equipment Reconfiguration a. Infrastructure Equipment Reconfiguration Services</p> <ul style="list-style-type: none"> MSS - Burritt Mtn (52hrs @ \$114.00 /hr = \$5,928.00) Controllers (3units) Repeaters (22units) Combiners & Duplexer (Antenna System) (3units) MSS - Madkin Mtn (47hrs @ \$114.00 /hr = \$5,358.00) Controllers (1units) Repeaters (21units) Combiners & Duplexer (Antenna System) (3units) MSS - Hampton Cove (3hrs @ \$114.00 /hr = \$342.00) Repeaters (1units) Combiners & Duplexer (Antenna System) (1units) MSS - E911 (1hrs @ \$114.00 /hr = \$114.00) Reprogram RNC (1units) MSS - System Watch ,Site Lens (8hrs @ \$114.00 /hr = \$912.00) MSS - GenWatch (24hrs @ \$114.00 /hr = \$2,736.00) MSS - BDA System(s) (i.e: replace filters) (8hrs @ \$114.00 /hr = \$912.00) MSS - Critical Length Cables for Combiners (23 @ \$115.00 /unit = \$2,645.00) PM - Project Manager (24hrs @ \$175.00 /hr = \$4,200.00) SE - System Engineer (14hrs @ \$175.00 /hr = \$2,450.00) ST - System Technologist (16hrs @ \$175.00 /hr = \$2,800.00) 	(Vendor) Motorola	\$28,397.00
<p>b. Infrastructure Equipment Reconfiguration Equipment/Software:</p> <ul style="list-style-type: none"> RocketPort PCI DB25 Male - Model No:DS990970 (1 @ \$369.75 /Each) 	(Vendor) Motorola	\$299,665.16

<ul style="list-style-type: none"> • Certified XP Workstation for SWII - Model No:DDN9157 (1 @ \$2,907.00 /Each) • SWII on XP Software Upgrade Application - Model No:T7143 (1 @ \$800.00 /Each) • SIMS II Client (GW3-COM-CL1-B) - Model No:L3516 (4 @ \$42,840.00 /Each) • SIMS II Host/Client (GW3-COM-HO1-B) - Model No:L3517 (1 @ \$94,350.00 /Each) • RF MODEM/CLOCKING RADIO 800MHZ 10-15W - Model No:HKUN4033 (4 @ \$1,840.00 /Each) • POWER SUPPLY & CBL (1-25 WATT MODELS) - Model No:HPN4008 (4 @ \$187.44 /Each) • RADIO SERVICE S/W INSTRUCTION MANUAL - Model No:6881081C15 (1 @ \$16.65 /Each) • 6809 28 Ch Controller Code Plug - Model No:UOST-0001 (7 @ \$1,298.00 /Each) • CSC Software - Model No:UOST-0004 (3 @ \$1,509.00 /Each) • TSC Software - Model No:UOST-0008 (3 @ \$481.00 /Each) • ReSC SmartNet Software - Model No:UOST-0016 (3 @ \$481.00 /Each) • TCI Software - Model No:UOST-0018 (3 @ \$602.00 /Each) • MCB Software - Model No:UOST-0020 (3 @ \$1,149.00 /Each) 		
III. Engineering and Verification Costs <ul style="list-style-type: none"> • MSS - Pre Rebanding Benchmark Testing (8hrs @ \$114.00 /hr = \$912.00) • MSS - Post Rebanding Acceptance Testing (8hrs @ \$114.00 /hr = \$912.00) • PM - Project Manager (8hrs @ \$175.00 /hr = \$1,400.00) • SE - System Engineer (16hrs @ \$175.00 /hr = \$2,800.00) 	(Vendor) Motorola	\$6,024.00
<ul style="list-style-type: none"> • Interoperability Planning (20hrs @ \$37.00 /hr = \$740.00) 	(Incumbent) Huntsville	\$740.00
IV. Professional Services Costs	(Vendor) Motorola	\$56,403.00

<ul style="list-style-type: none"> PM - Project Manager (156hrs @ \$175.00 /hr = \$27,300.00) SE - System Engineer (20hrs @ \$175.00 /hr = \$3,500.00) ST - System Technologist (20hrs @ \$175.00 /hr = \$3,500.00) TE - Travel Expenses (1 @ \$22,103.00 /unit = \$22,103.00) 		
<ul style="list-style-type: none"> Project Management Support (78hrs @ \$37.00 /hr = \$2,886.00) Negotiations Support (25hrs @ \$37.00 /hr = \$925.00) 	(Incumbent) Huntsville	\$3,811.00
V. Contracts and Legal Costs <ul style="list-style-type: none"> PFA Review and Revision (20hrs @ \$175.00 /hr = \$3,500.00) 	(Incumbent) Huntsville	\$3,500.00
Amendment - 1 (Previous)		
Description of Work To Be Performed	Payee	Estimated Cost(s)
I. Infrastructure Equipment Reconfiguration a. Infrastructure Equipment Reconfiguration Services <ul style="list-style-type: none"> MSS - Back To Back Repeater Integration (58hrs @ \$147.06 /hr = \$8,529.48) MSS - Huntsville Utilities Repeaters Retuning (12hrs @ \$147.06 /hr = \$1,764.72) MSS - Combiner Cavities Retuning (16hrs @ \$147.06 /hr = \$2,352.96) 	(Vendor) Motorola	\$12,647.16
Amendment - 2 (Previous)		
Description of Work To Be Performed	Payee	Estimated Cost(s)
I. Engineering and Verification Costs <ul style="list-style-type: none"> FNE reconfiguration detailed cutover plan review, system performance and site work evaluations. Participate, monitor and approve all testing activities. (32hrs @ \$170.00 /hr = \$5,440.00) Participate in the Alabama regional ITAC implementation planning and City/County/local interoperability testing. (24hrs @ \$170.00 /hr = \$4,080.00) Participate in subscriber operational testing for talk-groups and dispatching, before and after the reconfiguration of mobiles and 	(Vendor) Engineering Associates	\$21,760.00

<p>portables with agencies and supervisors. The City of Huntsville radio system has approximately 30 agencies currently operating on it. (72hrs @ \$170.00 /hr = \$12,240.00)</p>		
<p>II. Professional Services Costs</p> <ul style="list-style-type: none"> Overall PM, on behalf of the City of Huntsville, for the proposed 8 month timeline for this reconfiguration process. Interface with Motorola and its selected contractors for all rebanding issues affecting subscriber programming, radio system infrastructure and the work performed at the existing radio sites, Assist with the response to the TA status requests regarding schedule and progress. This time includes a 1-Hour conference call and participation every week and several on-site meetings with the City of Huntsville and its radio agencies, Motorola and Sharp Communications. (48hrs @ \$170.00 /hr = \$8,160.00) Coordinate with Sprint Nextel on retuning schedule and FCC licensing assignments and modifications. (8hrs @ \$170.00 /hr = \$1,360.00) Assure the City of Huntsville's adherence to the contractual terms of the FRA including Closing requirements and documentation. (8hrs @ \$170.00 /hr = \$1,360.00) Mileage/Parking Expenses (8000 @ \$0.55 /unit = \$4,400.00) Lodging (16 @ \$200.00 /unit = \$3,200.00) 	<p>(Vendor) Engineering Associates</p>	<p>\$18,480.00</p>
Amendment - 3 (Previous)		
<p>Description of Work To Be Performed</p>	<p>Payee</p>	<p>Estimated Cost(s)</p>
<p>I. Subscriber Equipment Reconfiguration</p> <ul style="list-style-type: none"> PM for 2nd touch (124hrs @ \$190.00 /hr = \$23,560.00) 2nd touch on 722 Mobile Radios (722 units @ 0.90 hrs each @ \$89.00 /hr = \$57,832.20) 	<p>(Vendor) Motorola</p>	<p>\$81,392.20</p>
<ul style="list-style-type: none"> cost recovery for the loss of resources and time (600 @ \$50.00 /unit = \$30,000.00) 	<p>(Incumbent) Huntsville</p>	<p>\$30,000.00</p>
<p>II. Engineering and Verification Costs</p> <ul style="list-style-type: none"> Assist to develop 2nd touch control 	<p>(Vendor) Engineering Associates</p>	<p>\$6,120.00</p>

Channel Test and Cutover Plan (8hrs @ \$170.00 /hr = \$1,360.00) <ul style="list-style-type: none"> Participate in Subscriber Operational Testing (22hrs @ \$170.00 /hr = \$3,740.00) Verification of Testing and Completion (6hrs @ \$170.00 /hr = \$1,020.00) 		
III. Professional Services Costs <ul style="list-style-type: none"> 1st touch PM (130hrs @ \$37.00 /hr = \$4,810.00) 2nd touch PM (110hrs @ \$37.00 /hr = \$4,070.00) 	(Incumbent) Huntsville	\$8,880.00
<ul style="list-style-type: none"> PM for 2nd touch on subs (32hrs @ \$170.00 /hr = \$5,440.00) 	(Vendor) Engineering Associates	\$5,440.00
IV. Contracts and Legal Costs <ul style="list-style-type: none"> Additional Legal costs accrued above PFA (20hrs @ \$175.00 /hr = \$3,500.00) 2nd touch Review and Modify Change Order and Amendment (15hrs @ \$175.00 /hr = \$2,625.00) 	(Incumbent) Huntsville	\$6,125.00
Amendment - 4 (Previous)		
Description of Work To Be Performed	Payee	Estimated Cost(s)
I. Subscriber Equipment Reconfiguration <ul style="list-style-type: none"> Portable Radios - Install 89 Portables (88 units @ 0.60 hrs each @ \$89.00 /hr = \$4,699.20) Portable Radios - Retune 855 MTX8000 (855 units @ 0.70 hrs each @ \$89.00 /hr = \$53,266.50) PM - Additional Project Management (24hrs @ \$190.00 /hr = \$4,560.00) 	(Vendor) Motorola	\$62,525.70
II. Infrastructure Equipment Reconfiguration a. Infrastructure Equipment Reconfiguration Services <ul style="list-style-type: none"> Install Gen Watch (1 @ \$760.00 /unit = \$760.00) Pack SIP for shipment (1 @ \$227.00 /unit = \$227.00) 	(Vendor) Motorola	\$987.00
b. Infrastructure Equipment Reconfiguration Equipment/Software: <ul style="list-style-type: none"> GenWatch GW3-COM-LE1-B (1 @ \$27,455.00 /Each) 	(Vendor) Motorola	\$26,015.56

<ul style="list-style-type: none"> • RF Modem to RIM Box Cable (3 @ \$196.00 /Each) • RF MODEM/CLOCKING RADIO 800MHZ 10-15W - Model No:HKUN4033 (-1 @ \$1,840.00 /Each) • POWER SUPPLY & CBL (1-25 WATT MODELS) - Model No:HPN4008 (-1 @ \$187.44 /Each) 		
Amendment - 5 (Previous)		
Description of Work To Be Performed	Payee	Estimated Cost(s)
I. Infrastructure Equipment Reconfiguration a. Infrastructure Equipment Reconfiguration Services Effort to resolve Insertion Loss Issue <ul style="list-style-type: none"> • MSS - Install New Combiner at Madkin Mtn. (1 @ \$909.09 /unit = \$909.09) • MSS - Remove Old Combiners and Pack for Shipment to Nextel (1 @ \$170.45 /unit = \$170.45) • Engineering (4hrs @ \$190.00 /hr = \$760.00) • Project Manager (5hrs @ \$190.00 /hr = \$950.00) 	(Vendor) Motorola	\$2,789.54
b. Infrastructure Equipment Reconfiguration Equipment/Software: <ul style="list-style-type: none"> • 1/2" SUPERFLEX POLY JKT PER FOOT - Model No:L1702 (15 @ \$3.27 /Each) • 1/2" N MALE PLATED CONNECTOR - Model No:CDN6579 (1 @ \$45.05 /Each) • 1/2" 7-16 DIN MA LE CONNECTOR - Model No:DSF4PDMV2C (1 @ \$25.93 /Each) • COMB WAV-G 851-869 06 CH 7/16 ANT, 150 KHZ MIN SEP CHLS - Model No:DSWUD86206SSP (1 @ \$8,743.10 /Each) 	(Vendor) Motorola	\$8,863.13
II. Engineering and Verification Costs <ul style="list-style-type: none"> • Technical Review and User Group - Coordination (4hrs @ \$170.00 /hr = \$680.00) 	(Vendor) Engineering Associates	\$680.00
Amendment - 6 (New)		

Description of Work To Be Performed	Payee	Estimated Cost(s)
<p>I. Subscriber Equipment Reconfiguration</p> <ul style="list-style-type: none"> • Replacement of Dash Mount Radios - Replacement of Dash Mount Radios (True up adjustment to actual number of subscribers) (-72 units @ 2.40 hrs each @ \$89.00 /hr = (\$15,379.20)) • Replacement of Dash Mount Radios - Replacement of Dash Mount Radios (True up adjustment to actual number of subscribers) (62 units @ 2.39 hrs each @ \$89.00 /hr = \$13,168.80) • Retune Existing Mobile Radios - Retuning Existing Mobiles (True up adjustment to actual number of subscribers) (-910 units @ 0.90 hrs each @ \$89.00 /hr = (\$72,891.00)) • Retune Existing Mobile Radios - Retuning Existing Mobiles (True up adjustment to actual number of subscribers) (862 units @ 0.89 hrs each @ \$89.00 /hr = \$68,658.30) • Retune Existing Mobile Radios - Flashing and Retuning Existing Mobiles (True up adjustment to actual number of subscribers) (-1005 units @ 0.90 hrs each @ \$89.00 /hr = (\$80,500.50)) • Retune Existing Mobile Radios - Flashing and Retuning Existing Mobiles (True up adjustment to actual number of subscribers) (992 units @ 0.89 hrs each @ \$89.00 /hr = \$79,012.80) • Portable Radios - Retune Existing Portable (True up adjustment to actual number of subscribers) (-506 units @ 0.70 hrs each @ \$89.00 /hr = (\$31,523.80)) • Portable Radios - Retune Existing Portable (True up adjustment to actual number of subscribers) (506 units @ 0.70 hrs each @ \$89.00 /hr = \$31,346.70) • Portable Radios - Flashing and Retuning of Existing Portable Radio (True up adjustment to actual number of subscribers) (-555 units @ 0.70 hrs each @ \$89.00 /hr = (\$34,576.50)) • Portable Radios - Flashing and Retuning of Existing Portable Radio (True up adjustment to actual number of subscribers) (528 units @ 0.70 hrs each @ \$89.00 /hr = \$32,709.60) • Portable Radios - Install 89 Portables (True up adjustment to actual number of 	(Vendor) Motorola	(\$69,253.01)

<p>subscribers) (-88 units @ 0.60 hrs each @ \$89.00 /hr = (\$4,699.20))</p> <ul style="list-style-type: none"> • Portable Radios - Install 89 Portables (True up adjustment to actual number of subscribers) (71 units @ 0.60 hrs each @ \$89.00 /hr = \$3,770.10) • Portable Radios - Retune 855 MTX8000 (True up adjustment to actual number of subscribers) (-855 units @ 0.70 hrs each @ \$89.00 /hr = (\$53,266.50)) • Portable Radios - Retune 855 MTX8000 (True up adjustment to actual number of subscribers) (733 units @ 0.70 hrs each @ \$89.00 /hr = \$45,625.59) • Portable Radios - Second Touch of Portable Radios (490 units @ 0.70 hrs each @ \$89.00 /hr = \$30,527.00) • Radio Templates (Masks) - Modify Radio Templates (Masks) for Replaced Units (-15 units @ 4.00 hrs each @ \$89.00 /hr = (\$5,340.00)) • Radio Templates (Masks) - Modify Radio Templates (Masks) for Replaced Units (15 units @ 3.98 hrs each @ \$89.00 /hr = \$5,310.00) • Radio Templates (Masks) - Modify Radio Templates (Masks) for Flashed Units (-432 units @ 2.50 hrs each @ \$89.00 /hr = (\$96,120.00)) • Radio Templates (Masks) - Modify Radio Templates (Masks) for Flashed Units (246 units @ 2.49 hrs each @ \$89.00 /hr = \$54,427.50) • 2nd touch on 722 Mobile Radios (-722 units @ 0.90 hrs each @ \$89.00 /hr = (\$57,832.20)) • 2nd Touch on Mobiles Radios (True up adjustment to actual number of subscribers) (230 units @ 0.89 hrs each @ \$89.00 /hr = \$18,319.50) 		
<p>II. Infrastructure Equipment Reconfiguration a. Infrastructure Equipment Reconfiguration Services</p> <ul style="list-style-type: none"> • Install Gen Watch (1 @ (\$760.00) /unit = (\$760.00)) • Pack SIP for shipment (1 @ (\$227.00) /unit = (\$227.00)) 	(Vendor) Motorola	(\$987.00)
<p>b. Infrastructure Equipment Reconfiguration Equipment/Software:</p>	(Vendor) Motorola	(\$34,533.00)

<ul style="list-style-type: none"> • GenWatch GW3-COM-LE1-B (-1 @ \$27,455.00 /Each) • RF Modem to RIM Box Cable (-3 @ \$196.00 /Each) • 6809 28 Ch Controller Code Plug - Model No:UOST-0001 (-5 @ \$1,298.00 /Each) 		
III. Professional Services Costs <ul style="list-style-type: none"> • Unused Travel Expenses (1 @ (\$16,249.53) /unit = (\$16,249.53)) 	(Vendor) Motorola	(\$16,249.53)
Amended Cost Totals:		
Huntsville	Incumbent	\$53,056.00
Motorola	Vendor	\$913,367.91
Engineering Associates	Vendor	\$52,480.00
Total Estimated Costs		\$1,018,903.91

Certification

Pursuant to the Order, Incumbent hereby certifies to the Transition Administrator appointed pursuant to the Order that the funds requested above are the minimum necessary to provide Incumbent reconfigured facilities comparable to those presently in use in a manner that is reasonable, prudent and timely. Incumbent further certifies, to the best of Incumbent's knowledge, that any vendor costs identified on the Schedule C-6 are comparable to costs previously charged by each such vendor to Incumbent.

CITY OF HUNTSVILLE, ALABAMA

Signature: X *Wesley D Smith*
 Print Name: Wes Smith
 Title: Telecommunications Manager
 Phone Number: (256) 427-6720
 E-mail: Wes.Smith@hsvcity.com
 Date: X 7-26-12

HUNTSVILLE UTILITY BOARD, ALABAMA

Signature: X *Wesley D Smith*
 Print Name: Wes Smith
 Title: Telecommunications Manager
 Phone Number: (256) 427-6720
 E-mail: Wes.Smith@hsvcity.com
 Date: X 7-26-12

SCHEDULE D - 6**HUNTSVILLE, CITY OF, AL PH II****Replaces Previous Schedule D - 4****1) Loaned Reconfiguration Equipment (provided by Nextel)**

Quantity	Manufacturer	Description	Model Number	New/Used
8	CMC	Directional Coupler (Type N Connector)	CMC441268N	Used
		Amendment #1		
2	Motorola	QUANTAR/QUANTRO FAMILY MODEL (includes the options listed below)	T5365A	Used
2	Motorola	ADD: 800 MHZ BAND RX 806-825 MHZ/TX 851-870 MHZ, 100-20 WATTS	X750	Used
2	Motorola	ENH: CONVENTIONAL ANALOG OPERATION	X597 A	Used
2	Motorola	ADD: REPEATER OPERATION	X580	Used
2	Motorola	DEL: WIRELINE, QUANTAR STN	X84	Used

2) Replacement Equipment (provided by Nextel)

Quantity	Manufacturer	Description	Model Number	New/Used
4	TX / RX	REPLACEMENT BDA FILTERS	89-89A-96390-18	New

3) Replaced Equipment (to be delivered to Nextel prior to Closing)

Quantity	Manufacturer	Description	Model Number
4	TX / RX	BDA FILTERS	
1		Workstation for SWII	
4		SIMS II Client Package	
1		SIMS II Host/Client Package	
4		RF MODEM/CLOCKING RADIO 800 MHz 10-15W	
4		POWER SUPPLY & CBL (1-25 WATT MODELS)	
3		CSC Software	
3		TSC Software	
3		ReSC SmartNet Software	
3		TCI Software	
3		MCB Software	
		Amendment-4	
1		SIP Terminal	
-1		RF MODEM/CLOCKING RADIO 800 MHz 10-15W	
-1		POWER SUPPLY & CBL (1-25 WATT	

		MODELS)	
1		TX RX T-Pass 6ch Combiner	
		Amendment-6 (New)	
1		SIP Terminal	

4) Motorola Schedule D Equipment (to be provided by Motorola) - Motorola radios and flash-kits and accessories only

a) Motorola Subscriber Services will be provided for the following Motorola Schedule D Equipment

Quantity	Description	Radio Software	Encryption	Model Number
927	XTS2500 RB III Portable Radio Kit	SmartNet		XTS2500 RB III
381	Carry Case Leather w/ 2.5" swivel belt loop			NNTN4116
431	Carry Case w/ snap belt loop & T strap			NNTN4117
300	Programming Software - Portable Radios			RVN4181
20	Multi-unit Charger			WPLN4108R
16	XTS1500 RB I Portable Radio Kit	SmartNet		XTS1500 RB I
5	Programming Software - Portable Radios			RVN4181
54	XTL2500 RB Mobile Radio Kit, Dash	SmartNet		XTL2500 RB
5	XTL2500 RB Mobile Radio Kit, Dash Control Station	SmartNet		M21URM Control Station
54	No Antenna Required			G89
5	No Microphone Needed			G90
5	Desktop Microphone			W382
5	No External Speaker Needed			G142
5	Control Station Power Supply			G91
5	Control Station Operation			W665
15	Programming Software - Mobile Radios			RVN4185
13	XTL5000 Console 800MHz	SmartNet		L20URS9PW1AN
13	No Microphone Needed			G90
13	W7 Control Head			G80
13	Loud Speaker - 7.5 Watt			B18
13	Omit Speaker			G142
13	Analog Operation			G241
13	SmartNet Operation			G50
13	Enh ID Display			G114
13	Tone Remote Interface Board			L146
5	Programming Software - Mobile Radios			RVN4185
	Amendment #1			
260	Remote Speaker Microphone			RMN5038A

260	RSM Adapter			NNTN4285A
	Amendment #2			
-296	XTS2500 RB III Portable Radio Kit	SmartNet		XTS2500 RB III
	Amendment #4			
-543	XTS2500 RB III Portable Radio Kit	SmartNet		XTS2500 RB III
-16	XTS1500 RB I Portable Radio Kit	SmartNet		XTS1500 RB I

b) Motorola Subscriber Services will not be provided for the following Motorola Schedule D Equipment

Quantity	Description	Radio Software	Encryption	Model Number
1560	FlashKit	SmartNet		FlashKit
	Amendment-6 (New)			
-40	FlashKit	SmartNet		FlashKit

5) Motorola Replaced Equipment (to be delivered to Motorola within 30 days of receipt of Motorola Schedule D Equipment)

Quantity	Description	Radio Software	Encryption	Mounting	Model Number
839	MTX8000 Model II Portable Radio (each with FCC ID# AZ489FT5747, display, antenna and at least one battery)	SmartNet			MTX8000 (with FCC ID# AZ489FT5747)
88	MTS2000 Portable Radio (each with 256K memory, antenna and at least one battery)	SmartNet			MTS2000 (with 256K)
381	Carry Case Leather w/ 2.5" swivel belt loop				
431	Carry Case w/ snap belt loop & T strap				
20	Multi-unit Charger				
16	MTX8000 Model I Portable Radio (each with FCC ID# AZ489FT5747, antenna and at least one battery)	SmartNet			MTX8000 (with FCC ID# AZ489FT5747)
59	Spectra Mobile Radio (each with control head and mic)	SmartNet		Dash	Spectra
5	Desktop Microphone				
13	Spectra Console (each with control head and tone remote interface board)	SmartNet			Spectra
	Amendment #1				
260	Remote Speaker Microphone				
	Amendment #2				

-296	MTX8000 Model II Portable Radio (each with FCC ID# AZ489FT5747, display, antenna and at least one battery)	SmartNet			MTX8000 (with FCC ID# AZ489FT5747)
	Amendment #4				
-559	MTX8000 Model II Portable Radio (each with FCC ID# AZ489FT5747, display, antenna and at least one battery)	SmartNet			MTX8000 (with FCC ID# AZ489FT5747)